NITFS
Compliance Registration

Product: Java Image and Video Exploitation (JIVE), version 4.7.2.0

Date: 23 January 2004
Expiration: 22 January 2006

Sponsor: Space and Naval Warfare Systems Command System Center Charleston Code 733

Registration #: 2020

Developer: SEMCOR Division of Titan Systems Corporation

- ☑ Initial Registration
- ☐ Supplemental/Update # ____
- ☐ Derived from Reg. # ____

☐ **System**
N-0105/98, §4.1.1

☑ **Product**
N-0105/98, §4.1.2

☐ **Component**
N-0105/98, §4.1.3

** NITF 2.0 feature
* NITF 2.1 feature

Complexity Level

NITF 2.1 CLEVEL

	3	5	6	7
Interpret	■	■	■	■
Generate	■	■	■	■

NITF 2.0 CLEVEL

	1	2	3	4	5	6	Oth
Interpret	■	■	■	■	■	■	
Generate	■	■	■	■	■	■	

Configurations Tested:

- Intel Pentium IV / Windows 2000 Professional , SP3
- Intel Pentium IV/ Windows XP Professional, SP1
- Sun Sunblade 100 / Solaris 2.8
- Sun Ultra 2 / Solaris 2.8

NITFS Features Implemented:

Format
- **NITF**
- ● ● v2.1
- ● ● v2.0
- ● v1.1
- **NSIF**
- ● ● v1.0

Pixel Value Types
- ● ○ Boolean
- ● ◉ Integer
- ● ○ Signed Integer *
- ○ ○ IEEE Real *
- ○ ○ IEEE Complex *

Annotation Segment Types
- ● ○ Bit Mapped **
- ● ● CGM, 2301
- ● ● CGM, 2301A
- ● ○ Labels **

Text Segments
- ● ● STA
- ● ○ UT1
- ◉ ○ U8S
- ○ ○ MTF

Image Segment Types
- ● ◉ MONO
- ● ● RGB
- ● ○ RGB/LUT
- ● ○ YCbCr
- ● ○ MULTI
- ○ ○ NODISPLY
- ○ ○ POLAR

Image Compression
- ● ● Not Compressed
- ● ● JPEG Lossy, 8-bit
- ● ○ JPEG Lossy, 12-bit
- ● ○ JPEG Downsample
- ● ○ JPEG Lossless
- ○ ○ JPEG 2000
- ● ○ Bi-Level
- ● ○ Vector Quantization
- ● ○ Multispectral JPEG, Individual Band

Data Extension Segments
- ○ ○ TRE_OVERFLOW
- ○ ○ STREAMING_FILE_HEADER
- ○ ○ Controlled Extensions **
- ○ ○ Registered Extensions **

Tagged Record Extensions
- ● ○ IOMAPA

- ● Fully implemented
- ◉ Partially implemented
- ○ Not implemented

EDWARD E. BOYLES II, Division Chief Joint Interoperability Test Command Executive Agent to National Geospatial-Intelligence Agency for the NITFS Test and Evaluation Program

Registration does not guarantee that a product will meet all users' requirements. Potential users should evaluate the detailed test results to determine the suitability of a product for the intended use. Optional NITFS features may not be implemented.